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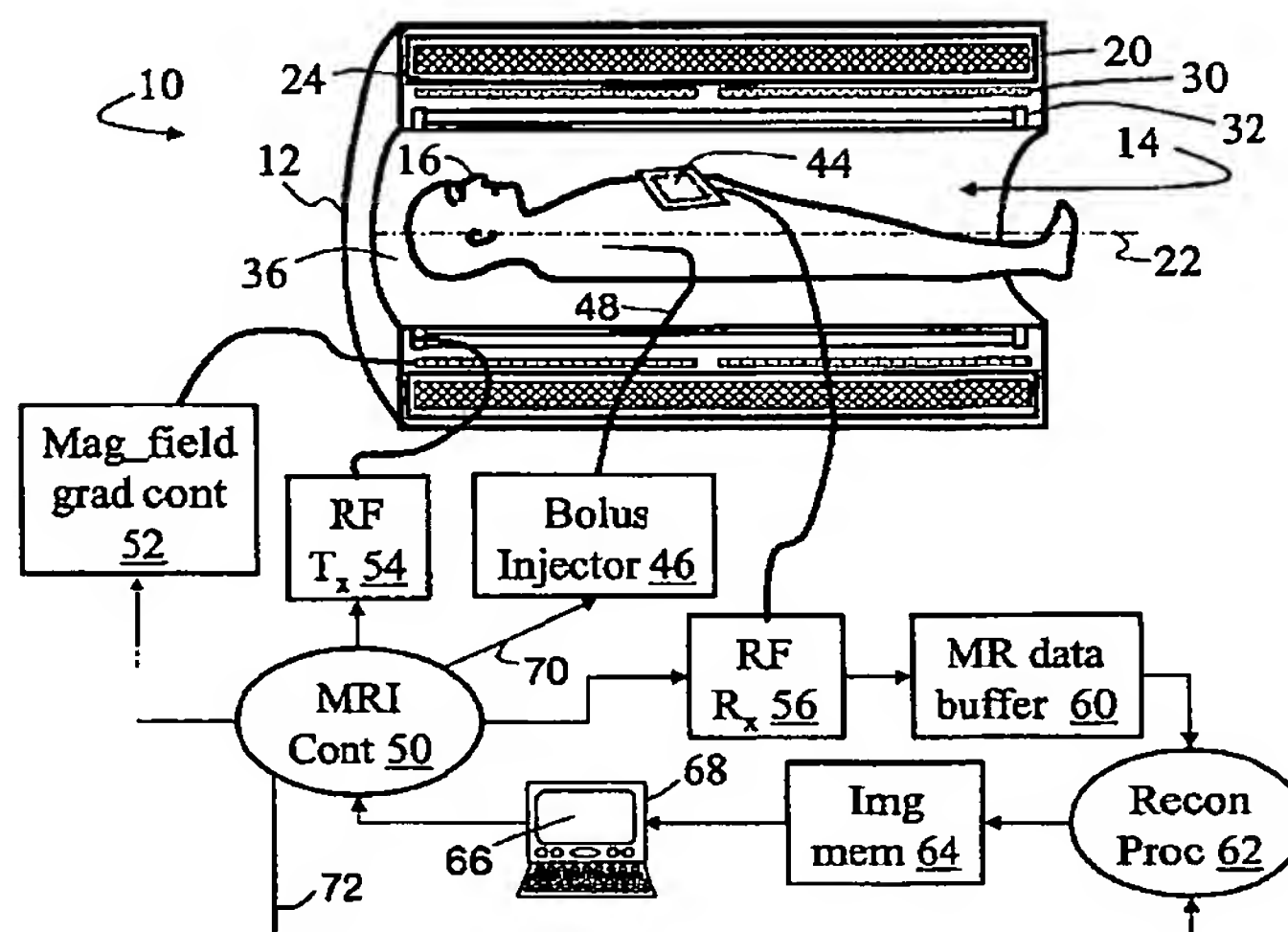
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(54) Title: JUMPING AROUND THE CENTER OF K-SPACE IN ANNULAR SEQUENTIAL STEPS



(57) Abstract: In a magnetic resonance imaging data acquisition method, k-space (100) is divided into a central region (102) disposed at k-space center and one or more annular surrounding regions (104, 106) having increasing distances from k-space center. The one or more annular surrounding regions include an outermost surrounding region (106) having a largest distance from k-space center. The k-space samples in the central region (102) are acquired. Subsequent to the acquiring of k-space samples in the central region, k-space samples are acquired in the one or more annular surrounding regions (104, 106). The k-space samples in the outermost surrounding region (106) are acquired last. The acquiring of k-space samples in at least the outermost surrounding region uses a row-by-row acquisition ordering in which each row of k-space samples acquired in the outermost surrounding region (106) completes a k-space plane.

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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